



# A -- DEVELOPMENT OF G-BAND MICROWAVE MONOLITHIC INTEGRATED CIRCUIT (MMIC) AMPLIFIERS

---

---

## General Information

Document Type: Presolicitation Notice  
Solicitation Number: N00173-05-R-KK07  
Posted Date: Jun 21, 2005  
Original Response Date:  
Current Response Date:  
Original Archive Date: Jun 20, 2006  
Current Archive Date: Jun 20, 2006  
Classification Code: A -- Research & Development  
Naics Code: 541710 -- Research and Development in the Physical, Engineering, and Life Sciences

## Contracting Office Address

Department of the Navy, Office of Naval Research, Naval Research Laboratory, 4555 Overlook Ave.  
S.W., Washington, DC, 20375

## Description

The Naval Research Laboratory (NRL) has a requirement for the development of components operating in the frequency band of 200 to 220 GHz. This procurement is for supporting RF solid state components of a transmit/receive system. Specifically, this procurement involves the driver amplifier for a vacuum electronic source and a low noise amplifier. This procurement will have two tasks. The first task is to develop G-band MMIC amplifiers with sufficient power to effectively drive the 5 watt vacuum-electronic power source into saturation. The output at 1 db gain compression is required to be greater than 20 milliwatts of continuous power. The second task will be to develop a MMIC low noise

amplifier to establish the overall noise figure of a G-band receiver. In addition to reports and data, the contractor shall deliver 20 packaged MMIC amplifiers and 5 packaged amplifiers at the conclusion of the effort. Prospective offerors may propose on one or both tasks. The anticipated period of performance for each task is 18 months after award. Multiple awards are possible.

NRL uses Electronic Commerce (EC) to issue Requests for Proposals (RFPs) and amendments to RFPs. Paper copies of the RFP will not be provided. All responsible sources may submit a proposal, which will be considered by the agency. This solicitation and other business opportunities for NRL are available at our website <http://heron.nrl.navy.mil/contracts/listrfp.htm>

The actual closing date for proposals will be stated in the solicitation when issued. See Numbered Note(s) 25 and 26.

### **Point of Contact**

Kevin King, Contract Specialist, Phone 202-767-1495, Fax 202-767-5896, Email [kevin.king@nrl.navy.mil](mailto:kevin.king@nrl.navy.mil) - F. Janilea Bays, Contracting Officer, Phone 202-767-2974, Fax 202-767-0430, Email [jan.bays@nrl.navy.mil](mailto:jan.bays@nrl.navy.mil)

### **Place of Performance**

Address: Contractor's Facility

[Register to Receive Notification](#)

---

### **Government-wide Numbered Notes**

#### **You may return to Business Opportunities at:**

- DON ONR listed by [\[Posted Date\]](#)
- DON Agencywide listed by [\[Posted Date\]](#)

---

[\[Home\]](#) [\[SEARCH synopses\]](#) [\[Procurement Reference Library\]](#)